

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G01N 33/574, 33/48, C12Q 1/68	A1	(11) International Publication Number: WO 99/54738 (43) International Publication Date: 28 October 1999 (28.10.99)
(21) International Application Number: PCT/US99/05766 (22) International Filing Date: 16 March 1999 (16.03.99) (30) Priority Data: 09/061,709 17 April 1998 (17.04.98) US (71) Applicant: LUDWIG INSTITUTE FOR CANCER RE- SEARCH (CH/US); 605 Third Avenue, New York, NY 10103 (US). (72) Inventors: CHEN, Yao-Tseng; 525 East 68 Street, New York, NY 10021 (US). GURE, Ali; 1275 York Avenue, New York, NY 10021 (US). TSANG, Solam; 1275 York Avenue, New York, NY 10021 (US). STOCKERT, Elisabeth; 1275 York Avenue, New York, NY 10002 (US). JAGER, Elke; Steinbacher Hohl 2-28, D-60488 Frankfurt am Main (DE). KNUTH, Alexander; Steinbacher Hohl 2-28, D-60488 Frankfurt am Main (DE). OLD, Lloyd, J.; 605 Third Avenue, New York, NY 10021 (US). (74) Agent: HANSON, Norman, D.; Fulbright & Jaworski LLP, 666 Fifth Avenue, New York, NY 10103 (US).	(81) Designated States: AU, CA, CN, JP, KR, NZ, ZA, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.	
(54) Title: ISOLATED NUCLEIC ACID MOLECULE ENCODING CANCER ASSOCIATED ANTIGENS, THE ANTIGENS PER SE, AND USES THEREOF (57) Abstract The invention relates to newly identified cancer associated antigens, referred to as CT7, KOC-2 and KOC-3. The invention also relates to observations regarding known molecule KOC-1. It has been discovered that each of these molecules provokes antibodies when expressed by a subject. The ramifications of this observation are also a part of this invention.		

BEST AVAILABLE COPY

This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.